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L8 and 15	7

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*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

<u>L9</u>	L8 and 15	7	<u>L9</u>
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<u>L7</u>	explos\$7 and acrylic acid	2080	<u>L7</u>
<u>L6</u>	L5 and 13	0	<u>L6</u>
<u>L5</u>	L4 and shell and tube reactor	73	<u>L5</u>
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<u>L3</u>	expols\$7 and acrylic acid	1	<u>L3</u>
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END OF SEARCH HISTORY

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 7 of 7 returned.**☐ 1. Document ID: US 6417376 B1

L9: Entry 1 of 7

File: USPT

Jul 9, 2002

US-PAT-NO: 6417376

DOCUMENT-IDENTIFIER: US 6417376 B1

TITLE: Selective oxidation process and catalyst therefor

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 2. Document ID: US 6384274 B1

L9: Entry 2 of 7

File: USPT

May 7, 2002

US-PAT-NO: 6384274

DOCUMENT-IDENTIFIER: US 6384274 B1

TITLE: Single reactor process for preparing acrylic acid from propylene having improved capacity

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 3. Document ID: US 6274743 B1

L9: Entry 3 of 7

File: USPT

Aug 14, 2001

US-PAT-NO: 6274743

DOCUMENT-IDENTIFIER: US 6274743 B1

TITLE: Process for the preparation of butanediol, butyrolactone and tetrahydrofuran

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 4. Document ID: US 6239292 B1

L9: Entry 4 of 7

File: USPT

May 29, 2001

US-PAT-NO: 6239292

DOCUMENT-IDENTIFIER: US 6239292 B1

TITLE: Process for preparing gamma-butyrolactone, butane-1,4-diol and tetrahydrofuran

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 5. Document ID: US 6100410 A

L9: Entry 5 of 7

File: USPT

Aug 8, 2000

US-PAT-NO: 6100410

DOCUMENT-IDENTIFIER: US 6100410 A

TITLE: Process for the production of 1,4-butanediol, .gamma.-butyrolactone and tetrahydrofuran

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 6. Document ID: US 5218146 A

L9: Entry 6 of 7

File: USPT

Jun 8, 1993

US-PAT-NO: 5218146

DOCUMENT-IDENTIFIER: US 5218146 A

TITLE: Process for production of acrylic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 7. Document ID: US 4147885 A

L9: Entry 7 of 7

File: USPT

Apr 3, 1979

US-PAT-NO: 4147885

DOCUMENT-IDENTIFIER: US 4147885 A

TITLE: Process for producing acrylic acid from propylene

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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L9: Entry 2 of 7

File: USPT

May 7, 2002

US-PAT-NO: 6384274

DOCUMENT-IDENTIFIER: US 6384274 B1

TITLE: Single reactor process for preparing acrylic acid from propylene having improved capacity

DATE-ISSUED: May 7, 2002

US-CL-CURRENT: 562/532; 562/542, 562/545APPL-NO: 09/ 244182 [PALM]

DATE FILED: February 4, 1999

## PARENT-CASE:

This is a nonprovisional application of prior pending provisional application Ser. No. 60/102,219 filed Sep. 29, 1998.